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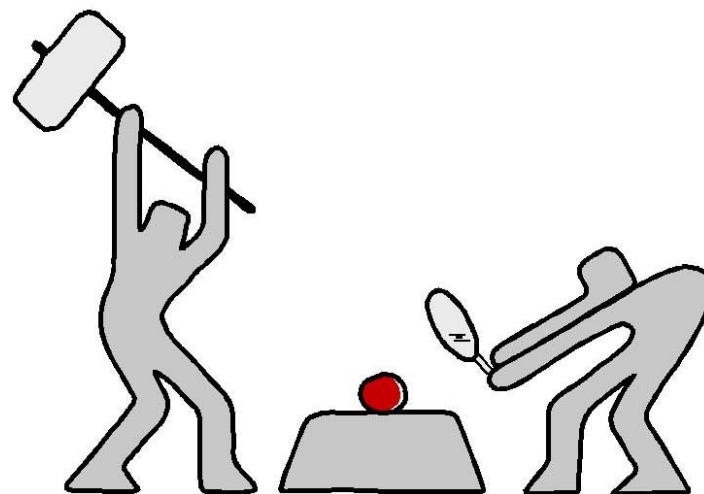
National Institute of Standards and Technology
Technology Administration, U.S. Department of Commerce

Program and Call for Papers

11th INTERNATIONAL CONFERENCE ON ULTRA-HIGH PURITY BASE METALS

UHPM-2004

6 - 9 December, 2004



UHPM-2004 will be held at the
National Institute of Standards and Technology
100 Bureau Drive, Gaithersburg,
Maryland USA 20899
December 6th to 9th, 2004

Conference Scope

Ultrahigh-purity metals (UHPM) are of great importance for many technological applications as well as for basic research. Well-known properties of metals result from their impurity content. By reducing the amount of impurities, important properties such as formability, fracture toughness, or corrosion resistance can be significantly improved. The purposes of UHPM-2004 are to:

◆ Review and Discuss

1. the progress in the purification of metals in laboratories and in technological processes,
2. the trace analysis of impurities and doping elements in high-purity metals and the role of UHPM as primary calibrants for high accuracy chemical analyses
3. the inherent properties of UHPM and the effects of impurities and doping elements on their properties,

4. development of instruments for the basic research of UHPM,
5. the transfer and the use of scientific results to industrial applications and the necessity of basic investigations for abetting the integration of UHPM into the industrial processes

◆ Support and promote international co-operation in the field of UHPM.

◆ Plan and perform international inter-laboratory comparisons and co-operative research projects, such as the determination of carbon, sulfur and other ultra-trace elements in UHPM or the certification of high-purity reference materials.

This conference is the eleventh in a series that started in 1994 in Kitakyushu City in Japan.

Conference Schedule

	Sunday 5 December	Monday 6 December	Tuesday 7 December	Wednesday 8 December	Thursday 9 December
Registration	Arrive in Gaithersburg, Maryland	9 – 10*			
Conference		10 - 17	9 - 17	9 – 17	8:30 - 12
Keynote		16 - 17			
Coffee break		10:30 - 11 15 - 15:30	10:30 - 11 14:30 - 15	10:30 - 11 15 - 15:30	
Lunch		12:30-13.30	12:30-13.30	12:30-13.30	12:30-13.30
Conf. Dinner		19 – 22**			
Lab Tours					9 – 11:30

* Due to new security requirements, all registrants must be prescreened by NIST Security

** The Conference Dinner is on Monday at the Hilton Hotel

Call for Papers

Papers pertaining to any of the topics mentioned in the Conference Scope section are welcome. Abstracts for lectures or posters should be received at NIST no later than

NOVEMBER 8TH, 2004

Posters are to be exhibited during the entire conference. The poster size is 90 x 130 cm. Arrangements are being made for the publication of the proceedings. Directions and information on manuscript preparation will be distributed with the agenda.

Registration

You must register for this conference electronically at the following site: www.nist.gov/conferences. Under the *View Upcoming NIST Conferences* section, scroll down to the date of the conference for the specific form. The information provided on the registration form will be used to prepare a conference name badge, a list of participants, and processing of your registration fee. You may register electronically up to 1 week before the conference. On-site registrations will also be permitted, but NIST is a US Government laboratory and pre-registered attendees will not have to wait in security clearance lines. Valid photo identification must be presented at check-in and at the main gate. Attendees must wear their conference badge at all times while on campus.

Registration Fee

A registration fee of \$250 US will be charged for this conference. This fee will cover transportation to and from the Hilton Hotel each conference day, as well as coffee breaks, lunches, abstract book, and conference dinner. Cancellations must be made 2 weeks before the conference commences to qualify for a full refund.

Conference Dinner

A conference dinner and social mixer with cash bar will be held at the Hilton on Monday, December 6th, 2004.

Coffee Breaks and Lunches

Snacks and refreshments for the coffee breaks and lunches are included in the registration fee for the meetings Monday thru Wednesday.

Conference Location

UHPM-2004 will be held at NIST, Administration Building (101), Lecture Room B, Gaithersburg, MD.

Accommodations

A block of rooms has been reserved at the Hilton Washington DC North/Gaithersburg (01.301.977.8900) at a special rate of \$126/night. To register for a room, please call the hotel directly, or make your hotel reservations at the aforementioned NIST registration web site by November 28, 2004. Reservations must be cancelled by 4 p.m. on the arrival date in order to receive a refund.

Registration Contact

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